Start this side of notebook 2

1998

Central States Field Trip.

June 17 – June 29

1998.

Book 2. Field trip notes
start on this side

IPAR 003200

1. Nashville - Airport, Motel 6. 4420 Metroplex Dr. Harding Place / Metroplex
   May 26 - June 7. I-24 at Exit 56.
2. Georgetown Motel 6, Exit 129, I 75, Delaplain Rd
   June 7 - June 15. 401 Cherryblossom Way Georgetown, Ky
3. Cincinnati (southeast) OH. Motel 6 #1092
   I-275 at Exit 65 / Beechmont / Rt 125
   3960 Nine Mile Rd
   June 15 - June 19

4. Marion, Illinois

Exc #4, I 1/2 Ky going to Carrollton
excellent stop.

6/17/98.

See 1995 field notes for Reidlin (Red 48, 1995) + Bedford (Red 50, 1995)

Reidlin - 8 photos

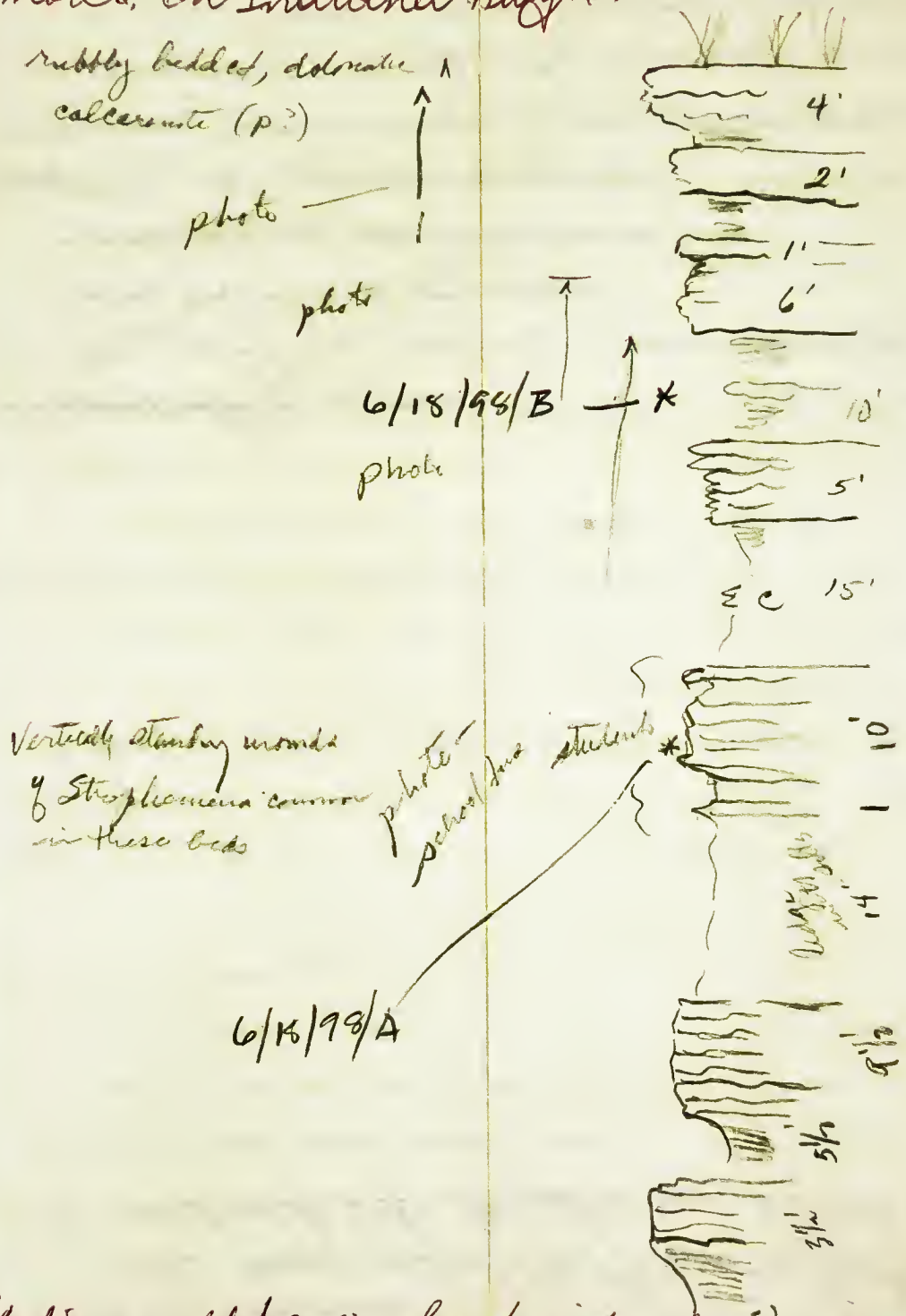
Bedford - 9 photos

6/18/98 Indiana

Red (28) in 1995 field book.
Bonnell Hill, 1 mile NE Brookville & ¼ mile east of road into dam & spillway — 3 photos. Indiana Hwy 101.
Brookhill Lake ~~camp~~ road is at the top of this cut.

Red (29) in 1995 field book.
Gast Hill — S. side of valley. 1 Photograph of eastern side of road cut
1 photo

6/18/98. N. of Gat Hill. Loc 29 in 1995 field notes. On Indiana Hwy 101



Madison, IN. 6/18/98. See back side of this page.

6/18/98 contd.
We then went to Madison, Indiana
& rechecked highway road cut

6/19/98.

Drove from Beechmont (Cincinnati) Ohio via I64 across Indiana into Illinois. Then at Mt. Vernon, Illinois, took I57 to Marion, Illinois

2 rest areas in Indiana -

1 rest area in Illinois

A 90°F day & cloud cover burnt off. - exceedingly humid.

6/20/98.

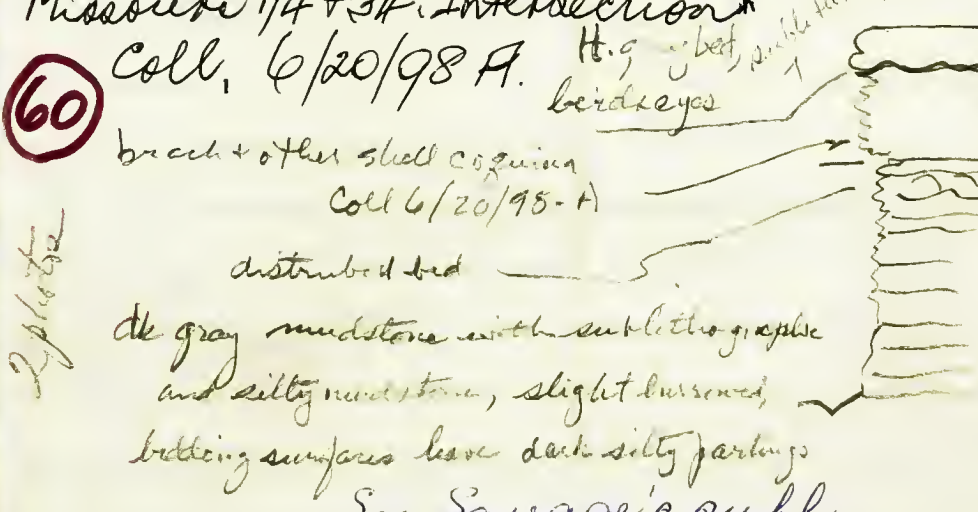
Left motel in Marion, Ill. at 7:15am Took I57 south to Ill 146 West to Anna & Ware then south on Ill 146 to Cape Girardeau, ~~Mo~~ Missouri. Over bridge across Mississippi R. New bridge is being constructed immediately S. of old bridge.

A new "town" has been established adjacent to I55.

As it was raining we explored K-Mart & Schnuck's good store Both are very neatly laid out stores ~~on which this was cut~~ to I55 via Missouri 174 & 34. Intersection*

Coll. 6/20/98 A.

(60)



2 photos

See Savage's publ

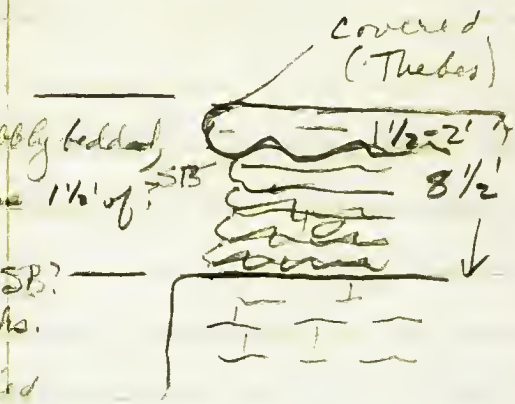
* Intersection with US61. (King's Hwy) West E of junction. Both sides of road — 2 photos (1 each side)

6/20/98.

Photo. Type section of Cape Fate. See Willman & others, 1975. Handbook of Illinois Stratigraphy. ISGS Bull. 95 p. 84

In Cape Girardeau, Missouri, On Main Street, just N. of Broadway

(61)



Cape Ls., calcarenite, v. nubbly bedded, 3-5" beds. highest bed has 1½' of relief at its base

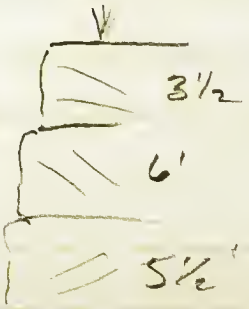
Massie Ls., crinoid + bracks.

"Dunleith", rippled bedded

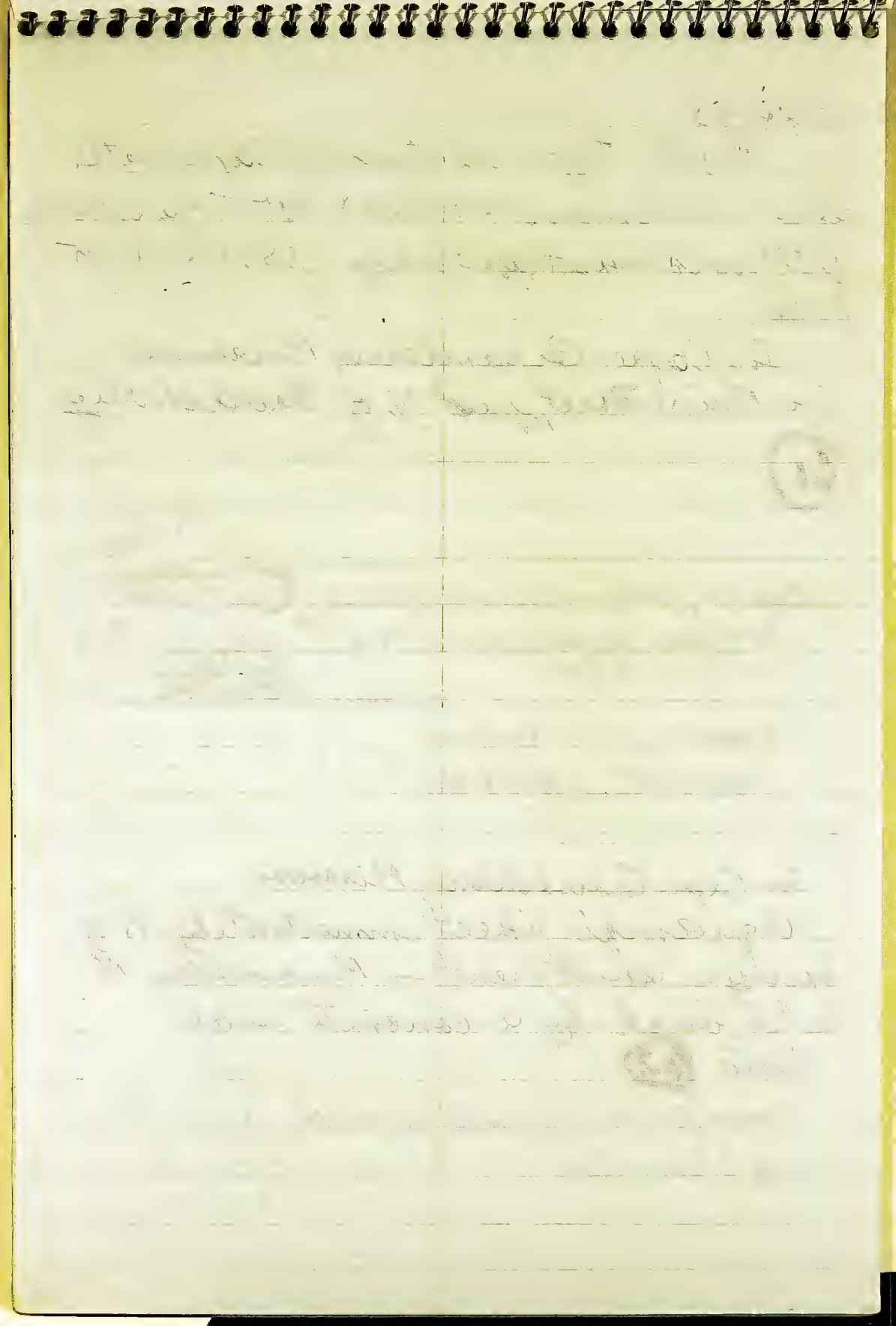
In Cape Girardeau, Missouri

Aquamai Street immediately N of bridge abutment — Mississippi R. held back by a concrete wall

Photo. (62)

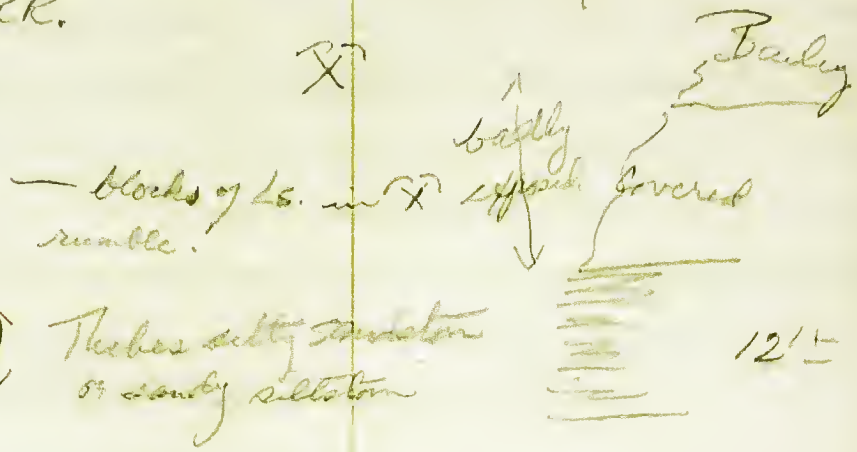


Coarse, x-bedded crinoidal calcarenite, g (Dunleith)



6/20/98. Gale, Illinois.
Old Gale Road just south (east) of bridge under RR.

(63)



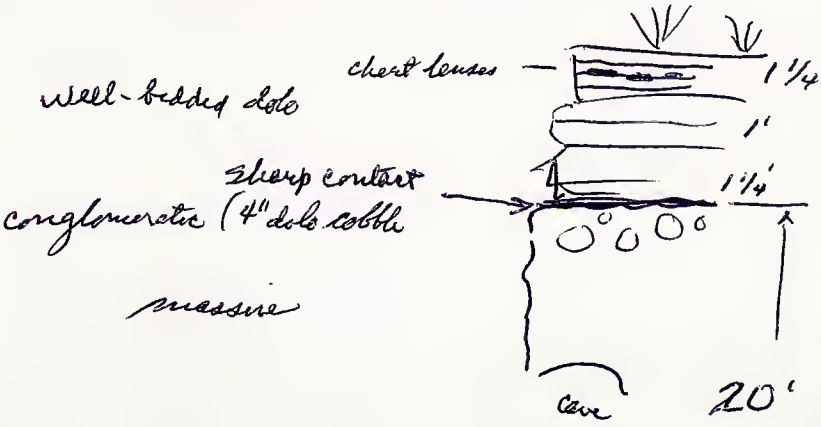
(63A) Old town of Thebes on Mississippi R. under RR abutment. RR bridge goes over Mississippi R. Couldn't examine exposure readily. Ord.? Silu?

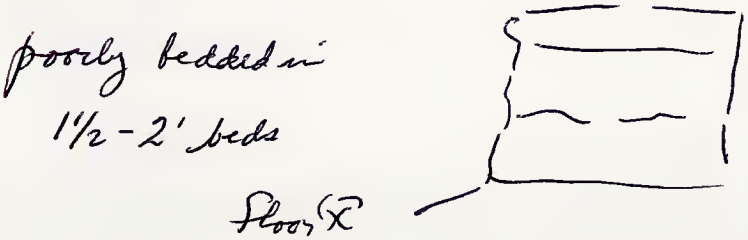
Lunch on Mississippi R. at Thebes at roadside park

6/21/98

64 Small rock quarry on US 61 about 2 miles north of Maquoketa, Iowa, ~~Dec~~ 1 Photo late afternoon on East wall of Quarry. Dolostone

Silurian





6/21/98.

Drove from Marion, Illinois, to Dubuque, Iowa. Took I57 to near Mt. Vernon & then took I64, then Illinois 4 (stop after Scott Air Force base) to I55 (near Worden)

65

Stopped N. of Maquoketa to look at X on E. side of road. Photo(s) No photos?

6/22/98 – Road on north side of US 20 (~ miles west of Dubuque, Iowa – see below and southside (Photo)

(66) Loc. is immediately (1/10 mile) east of Barrington Drive (Lakes) Higher on hill, Note: Z chert ~ 2.5 miles west of intersection of US 20 with US 32

Thesis Witzke and Glennister, '87, US 20 Rd Cut

lt gray siltstone & clayst.

1 photo

Conglomeratic phosphatic bed with columnals, bryos, and brachs. Iron, red oxids "Neda"

greenish gray siltstone
& dominant yellow siltstone

Shaly siltstone

21' Silurian

Coll. 6/22/98-B

Ls. with crinoid columnals & debris
bryoz 3 or 4 beds 2" thick each

a

Collection 6/22/98A

a few 2" yellow brown siltstone bands

banded siltstone 2"–6" color bands
with phosphorite & iron oxide

silty shales

+ phosphorite
Iron oxide nodules,

lt gray-brown siltstone

15'

Brainard

21'

6/22/98 See p. 33 Sloan, R. E. 1987

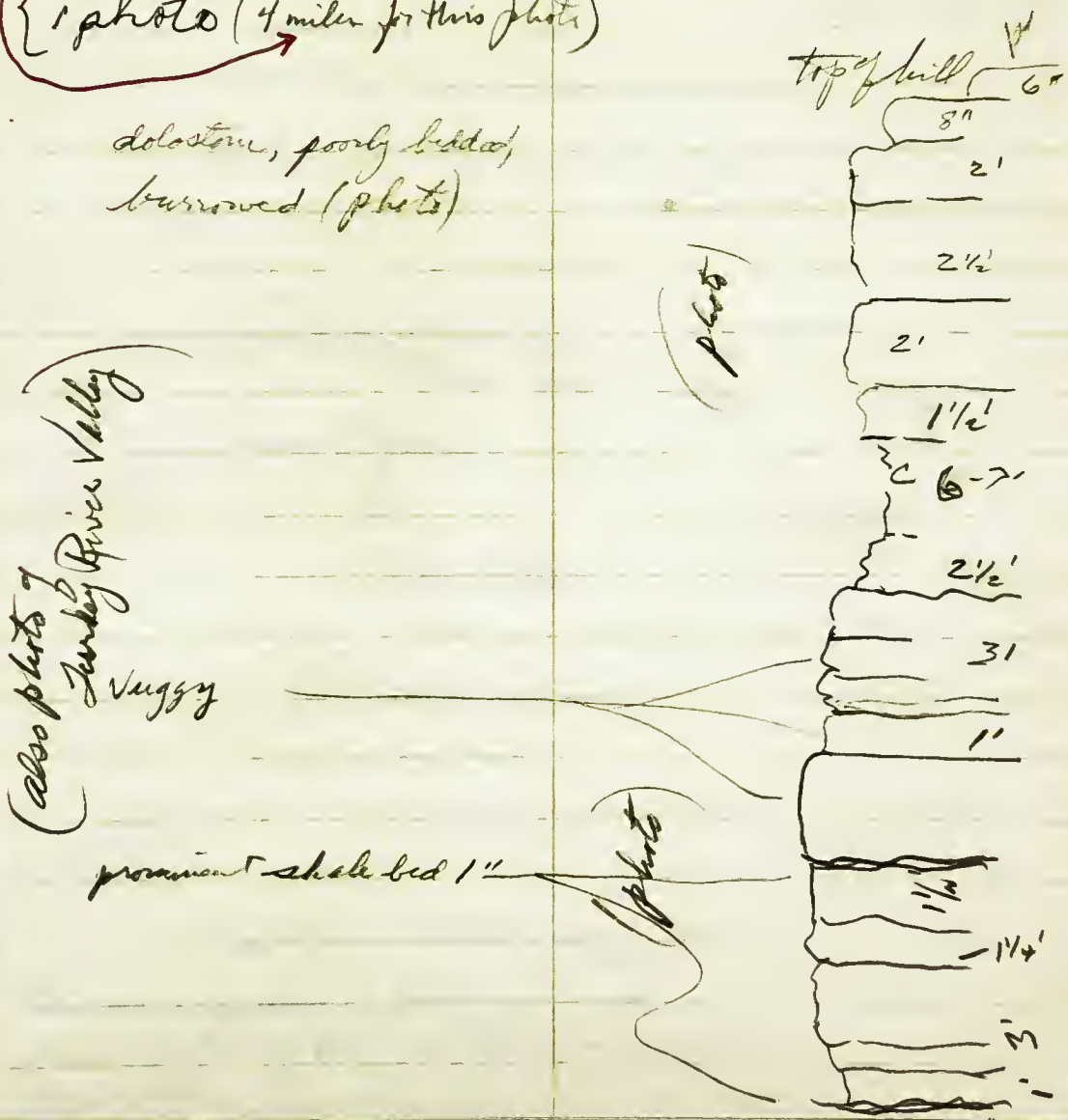
67

1 Photo – N side of road ½ mile E. of Elgin Hwy 864 (river on SW side)

67A — 67B

3 mi. East of Elgin on Hwy 864

1 photo (4 miles for this photo)

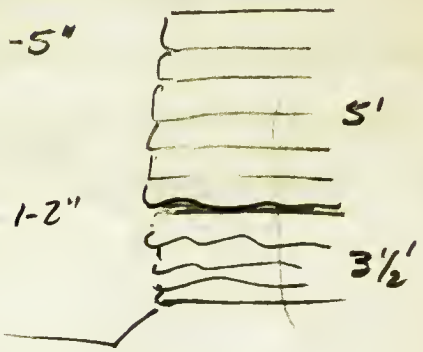


6/22/98 - road cut about .7 miles west of previous page stop, on Hwy B64.

68

dolostone, evenly bedded, 4-5" photo beds

prominent shale 1-2"



(intermediate cut photographed earlier on way up hill)

(on sideroad, the Osteletes bed are 10-15' above this →

photo of lower 'Elgin'

68A

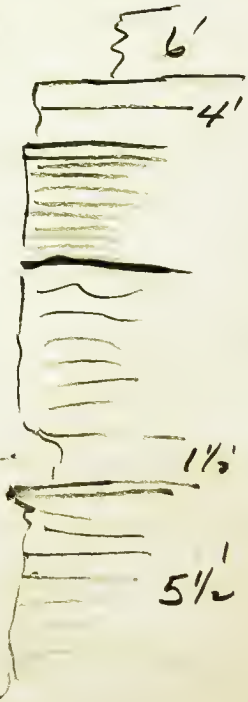
thin bedded

thin bedded, burrowed

v. silty

clay siltstone or gray

silty, well bedded, conchoidal fracture



This series of photos on N-S gravel road about ½ mile N of B64, ≈ 4½ miles east of Elgin, IA.

(end of roll of film)

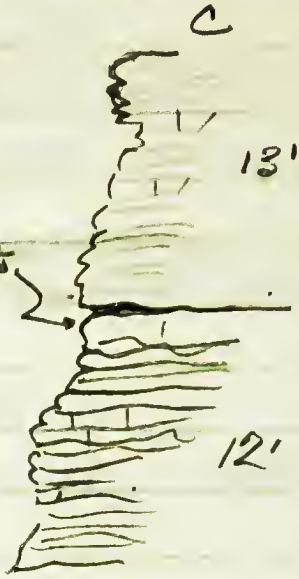
6/22/98 - road cut ½ mile SW of Eldorado, OK. on US 183

69

Cherty, silty dolostone + limestone
thin, well bedded 1-5" beds
MS/WS

photo

silty shaly beds,
lt gray, more massive, crinoidal +
brach, ps, ripple-bedded
silty, some nodular
chert in WS. bands



6/22/98 Festina Iowa 150

* (10) East side of road - cut is just N of intersection with road to Ossion (i.e., B22) Photo

This is a diff. locality as described for 5-6-63a.

* Same as bottom half of section at Eldora. Sparry calcite & crinoid columnals in packstone

Stop 2.5 } See Sloan, R. edit. 1987
A-26, Fig. 11-1.

6/23/98.

1. Stopped at [illegible] tourist turnup
2. Stopped at Guttenberg

(71) Gt River Road section starting at.

photo "1" St Peter section where Gt. River road
" "2" Lower Platteville (Pecatonica) intersects
3 Platteville (McGregor) [illegible]
4 Spechts ferry + base of Guttenberg
5 top Guttenberg, Lon (Buckhorn + St James) base of Beecher
6 Cherty beds of Eagle Point
7 Middle Dunleith (Mortimer / Fairplay
8 Top Mortimer + base of Rivoli (massive) (Shale)
9 Sherwood + lower Wall
10 basal Wyalusing?

{Road X 3p.} 1.3 miles N of Guttenberg city line

(72) 2 photos of Mississippi Rd. from "lookout" on US52 and 1 photo of Wall member across road from "lookout" — These are same beds as at top of "River Road" cut a couple of miles + north (see photo 10 above)

6/23/98 Town of Gutenberg

(73) 1 photo — 5-11-63 K, K', L

Intersection of X55 + Iowa C7X

Platteville Gp - Mifflin Mbr overlain by Grand Detour Mbr + all part MacGregor Fm

See p. 26, Sloan

Fig. 4-1 — shaley late that is greenish

Notes: Good road sections S. of Gutenberg & Ord - Silm.

C7X — road sections + 5 miles W of Garber.

½ mile from X41 intersection — 2 mi. E of Garber.

Stop (15) Near Littleport, Clayton County, Iowa

(red pen) in 1995 guidebook

County Rd X21 Frankville Mbr

3 photos — 1 at bottom, 1 at top + then 1 in the middle Littleport Mbr

Luana Mbr

Maquoketa Fm - shale at top

1/23/96 Twin Bridges Park
Stop (16) 5/15/95 in 1995 field book
3 photos
Section on west side of road cut
Ca 6 miles west of Colo, Iowa,
on Iowa 3

6/24/98

location (17) 1995 field notes

1/4 mile ~~east~~ south of Graf on W. side of road. 1 Photo

Took Asbury Rd from Dubuque which became D17 & then turned S to Graf on side road

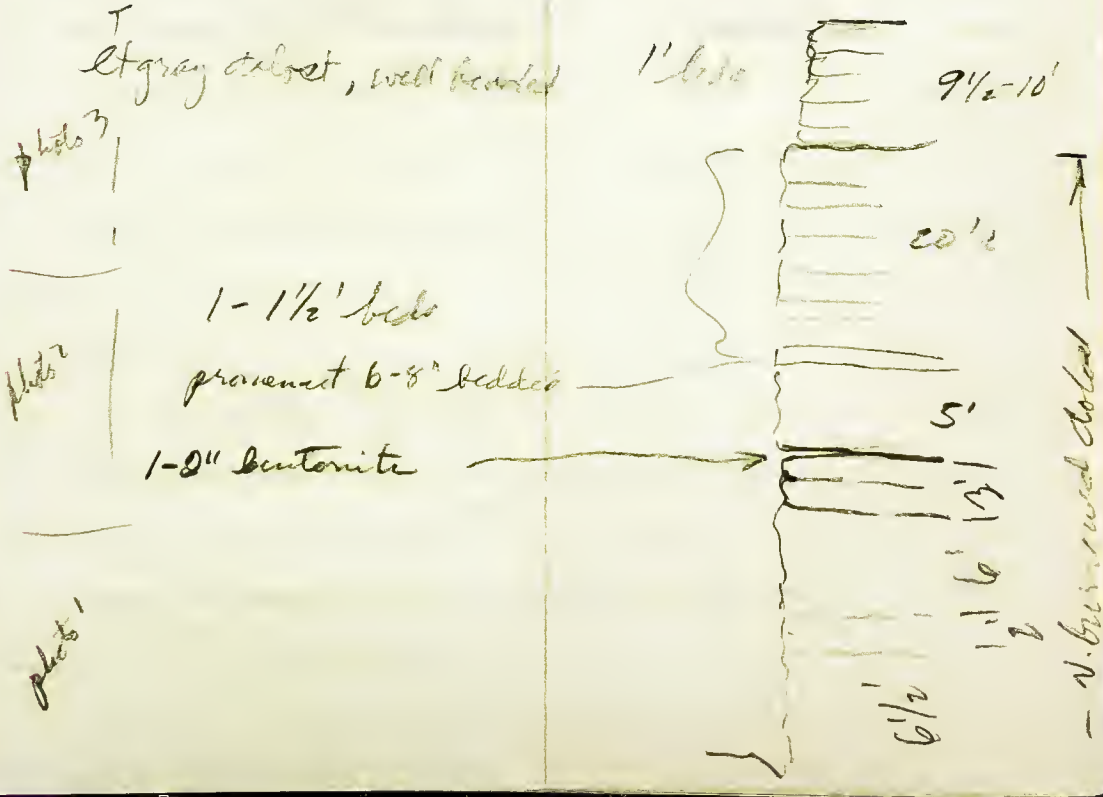
Section is becoming overgrown

Just W. of Twin Springs River.

(see Wright & Monister, '87, p. 105)

(17B) 1/2 mile E. of intersection of D17 & turn off road to Graf on D17

3 photos of NE road cut on D17.



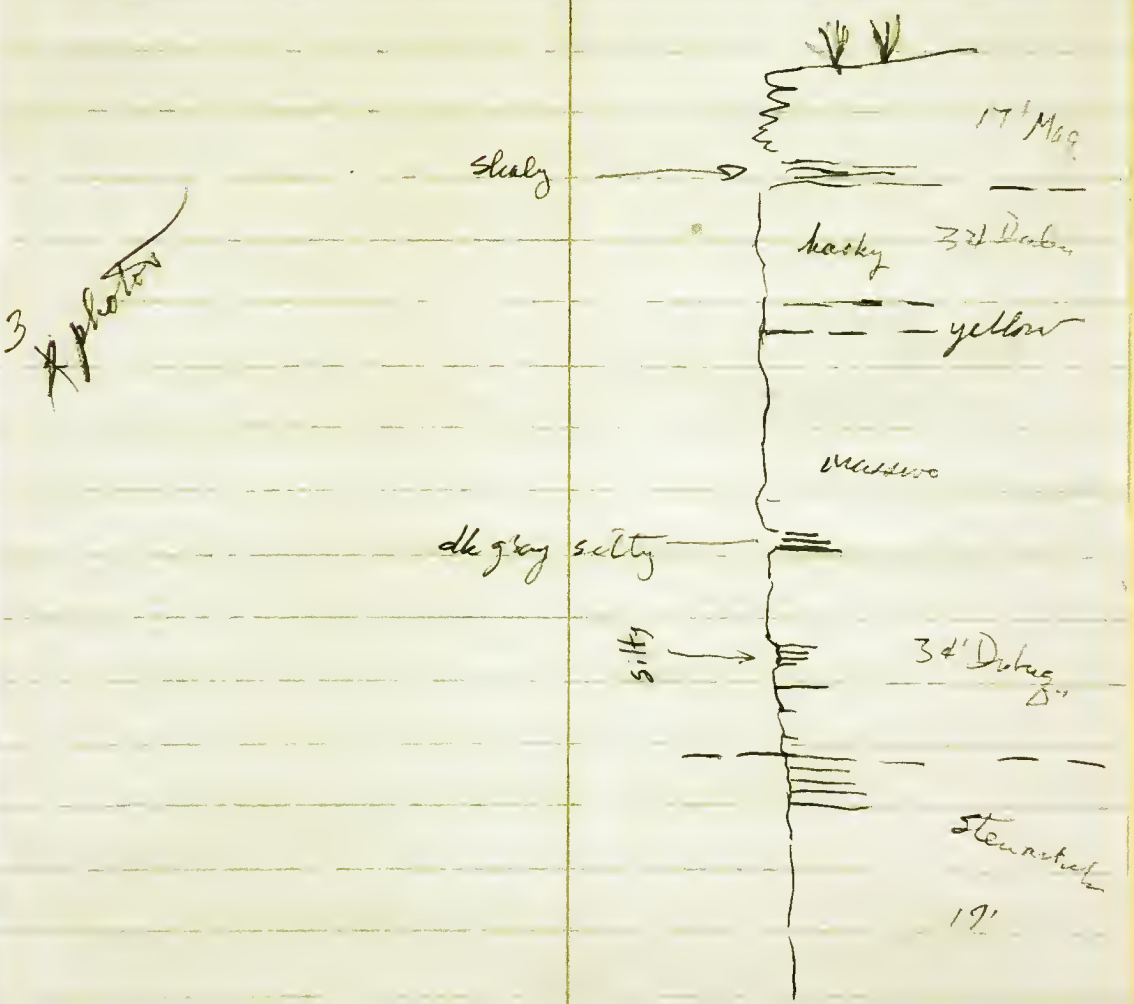
6/24/98. Photo of 5/16/95 (#21) of Tschiggfrie quarry east of U.S 52 about 1 to 1½ miles south of junction with U.S. 61; photo from southern entrance to quarry off of Olde Massey Road.

There are several road cuts between the junction of US 20 and US 52S, one of which shows a nice bedding break which probably a bentonite. Also along US 20 there are some impressive road cuts of the Dubuque Fm.

See (18) Becker X. 1 photo.

6/24/98 Location 23Fd. New locality
Iowa 151 roadcut. Brainard Shale &
overlying Silurian
See Witzke, B.T. & B.F. Glenister 1987,
U. Ord. Maquoketa Fm in the Graf area,
eastern Iowa. Geol. Soc
Near Dubuque airport.

Thursday 6/25/98
Church St. Iuana. Lea's ×
location (14) & 1995 field book
(5/14/95).



6/26/96

* Dic ¼ mile E. of bridge over river on Iowa 9. Shale at bottom of section. Check!!

Need to look at

6/26/98

6/26/98

74) 1) W of Decorah Fish Hatchery on dist road. This is a west road off Iowa 9 1/2 mile E of County W-38 on road to Fish Hatchery, about 1½ miles S of Decorah

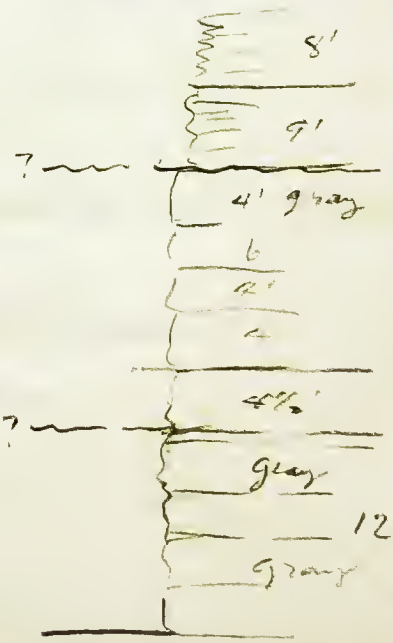
Holthaus Quarry, Roverud Construction

W38 is Middle Calmar Road

only 1 photo { 1 photo ×1
1 " ×2 (200 yds W of ×1)

75) 2) Hoover, Roverud Const. ½ mile S of junction of W38 & Fish Hatchery Road, just west of W38.

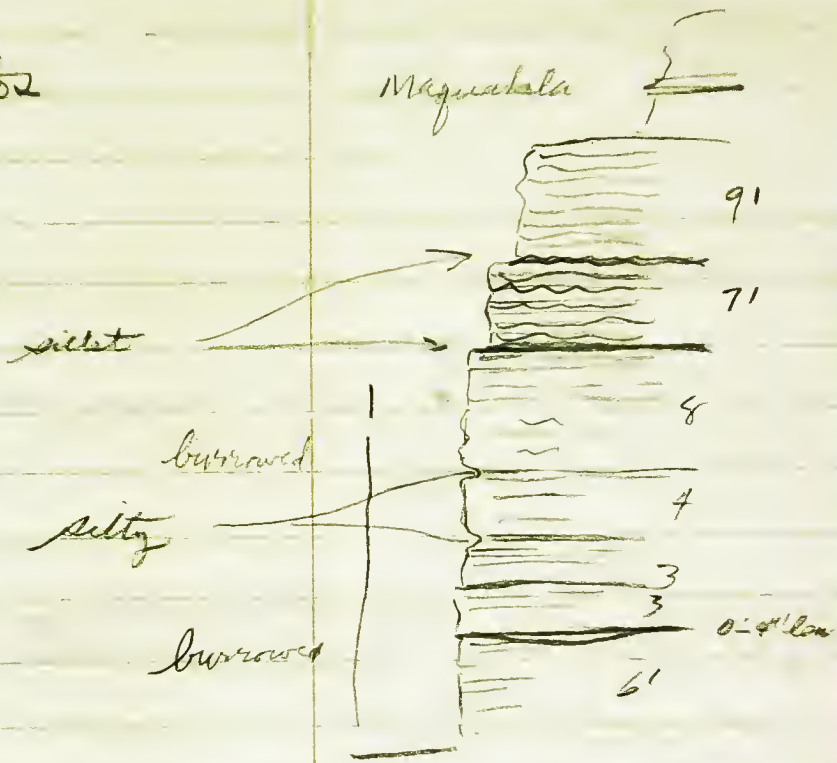
1 photo



6/26/98

(76) Lincoln Highway Rd / 3/4 mi. E of IV 38 (Middle Calamus Rd) ~~X~~ is Nordnes ~~X~~ Rowena Const.

3 photos



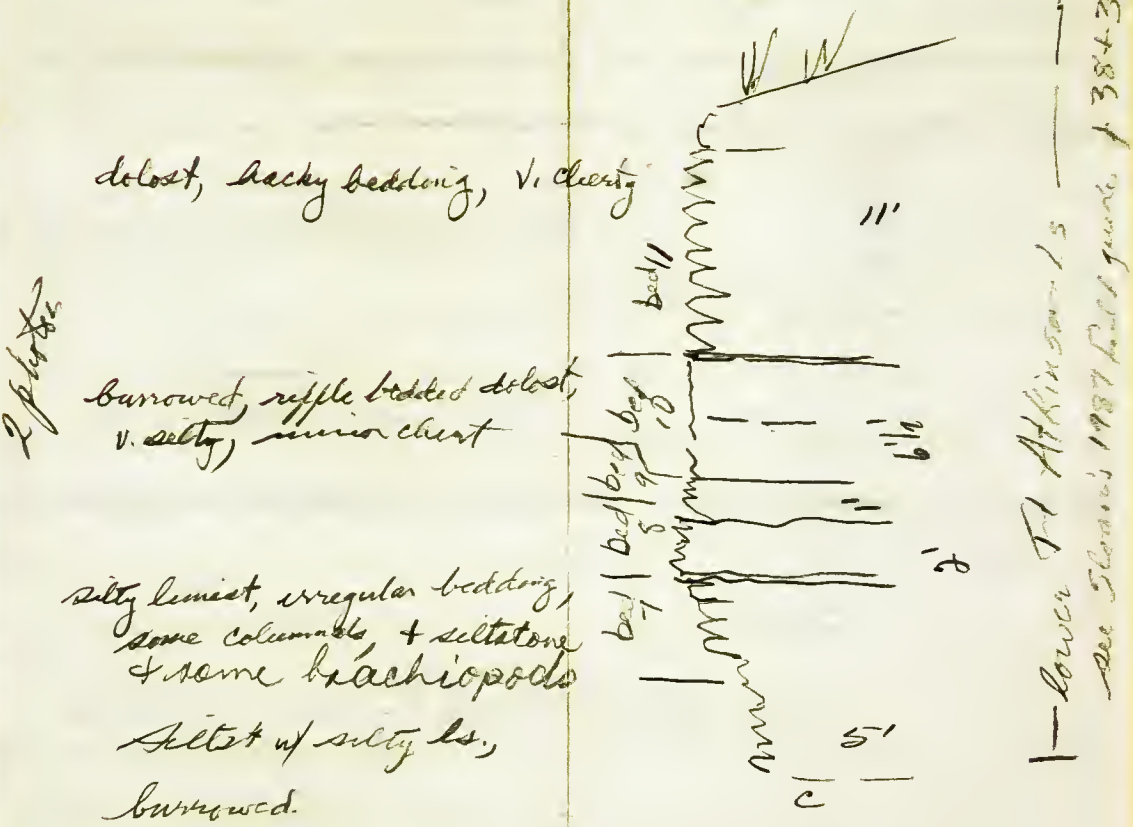
(Man came in + picked up a load of gravel)

See (12) Rowang ~~X~~ — (76) + (12) are apparently the same

6/26/98

77

Cut in cornfield - rural area
265th Ave, N. of Fort Atkinson, WI
½ mile N from junction with JA-24.

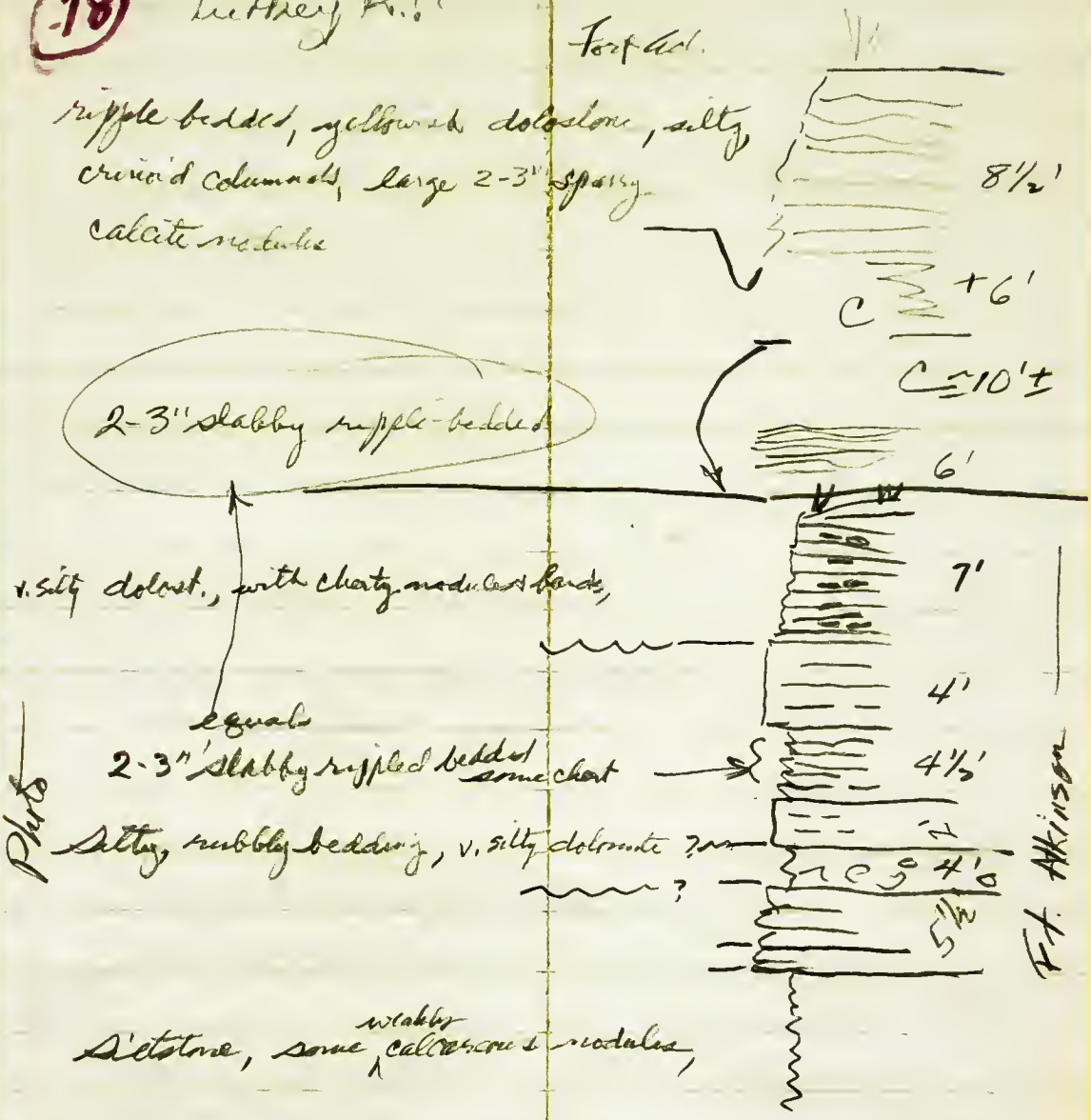


{ lunch in shade at creek level of section discussed over page. }

6/26/98 Atkinson (18) Tuthery R.??

On B-32 hwy ca ~~1~~ miles East of Fort
Top of Hill, east of creek

Fort Ad.



6/26/98 just west of bridge over creek.

79

This is all just below section shown on previous page

V. silty, V. burrowed, fecal pilets, a few small brachs,

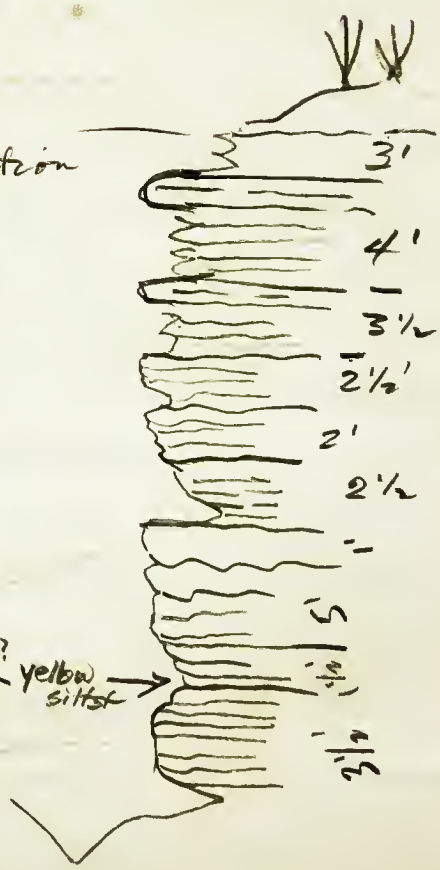
Photo

Calcareous "nodules" V. silty, calc. cemented p/

bentonite? silty

yellow siltst

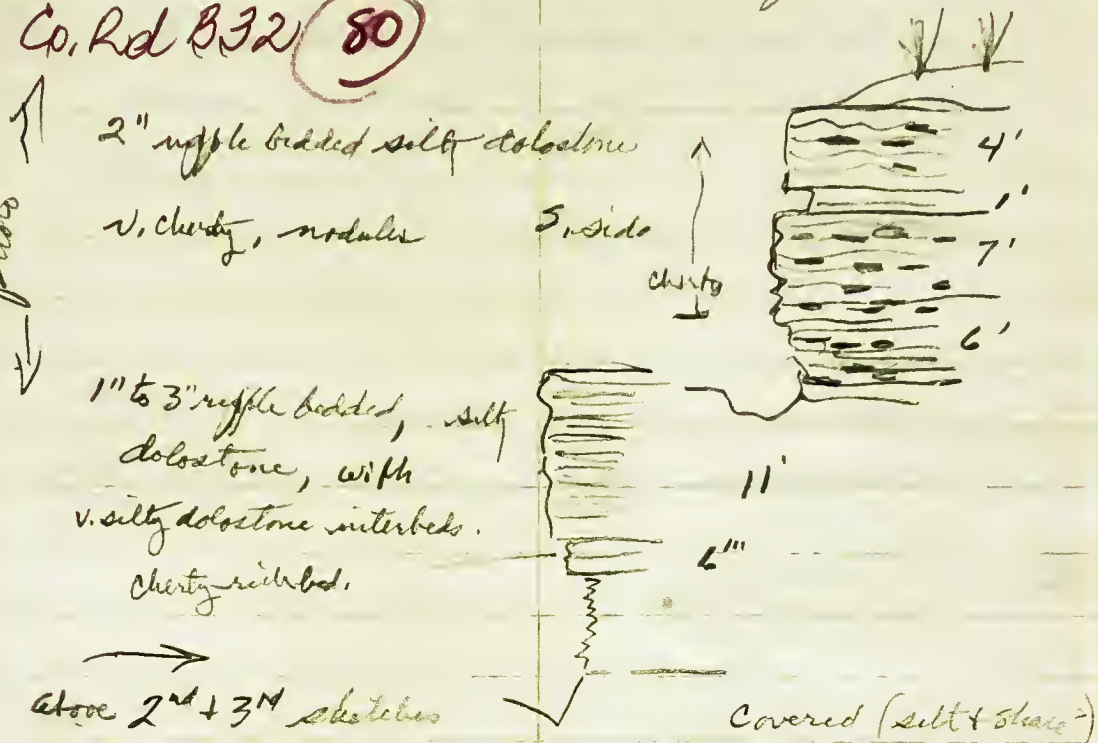
ripple bedded dolostone well cemented



1/2 miles ~~west~~ east of 260th Ave & St. Johns cemetery road

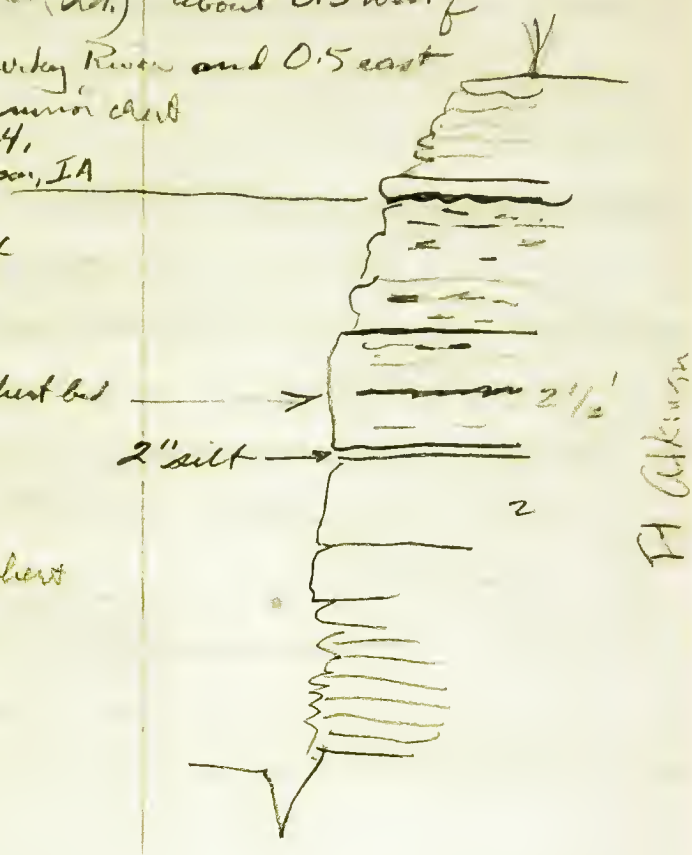
6/26/98 – about 0.5 miles west of creek.

Co. Rd B32 (80)



6/26/98 Road cut S. side of B32 at 266th St.

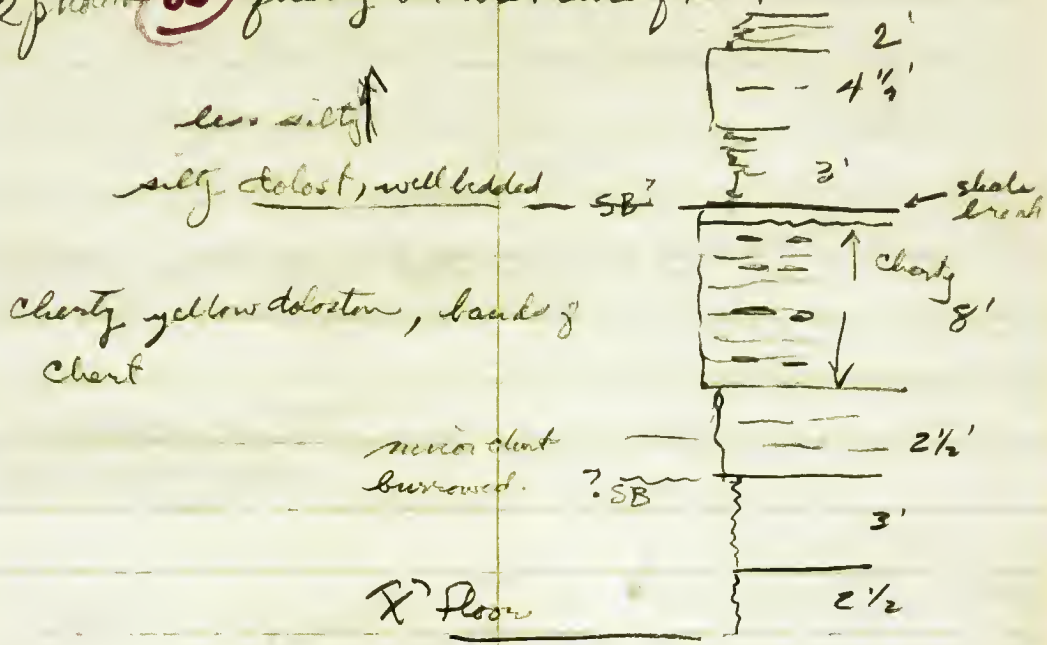
81 (St. John's Cemetery Rd.) about 0.5 west of bridge over Turkey River and 0.5 east of junction with IA-24, SE edge of Ft. Atkinson, IA



82 a similar outcrop is shown on E side of IA 24 just S of junction with B32.
(2 photos; 2" siltstone marker just below development of yellow chert bands)

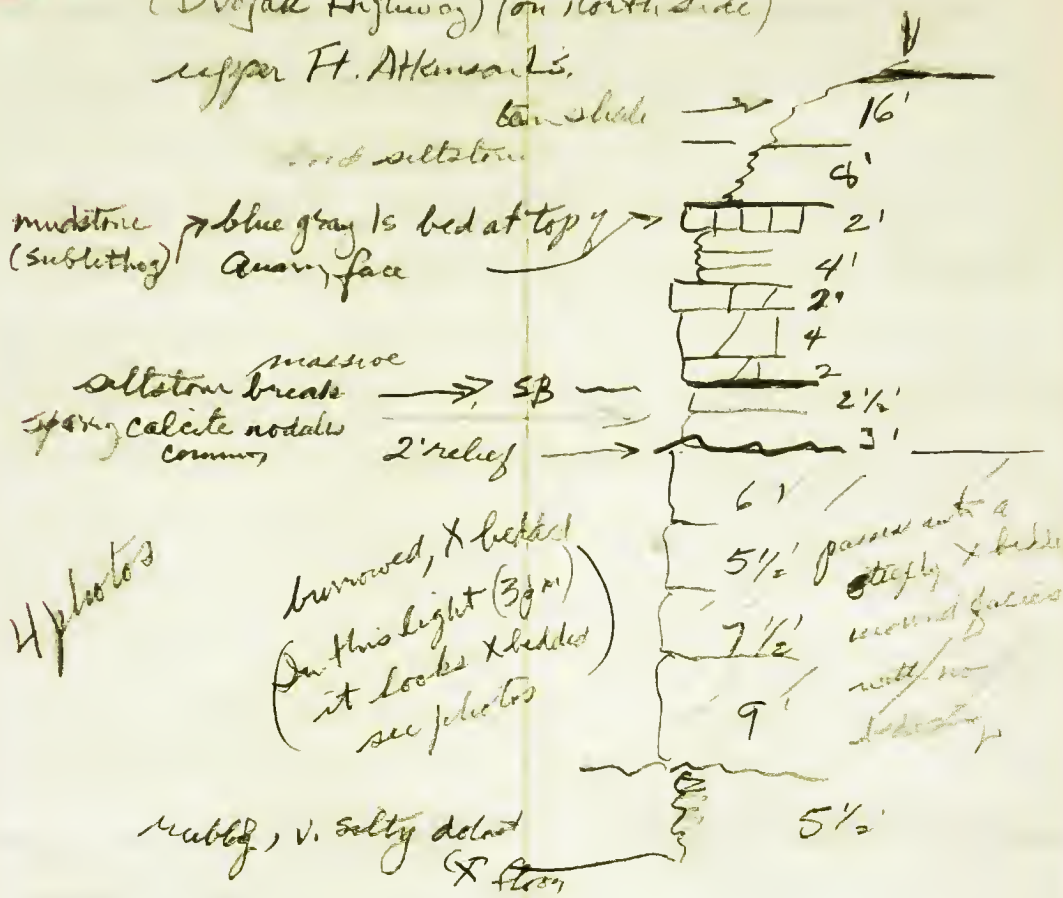
↕ photo 1
↕ photo 2

6/26/98 Ft. Atkinson Ls. (type) - at old Fort Atkinson
2 photos 83 quarry on west side of fort.



84

6/26/98 – Spillville, IA, Quarry about 3/4 to 1 mile east of Spillville on County S25 (Dvojak Highway) (on north side) upper Ft. Atkinson Ls.

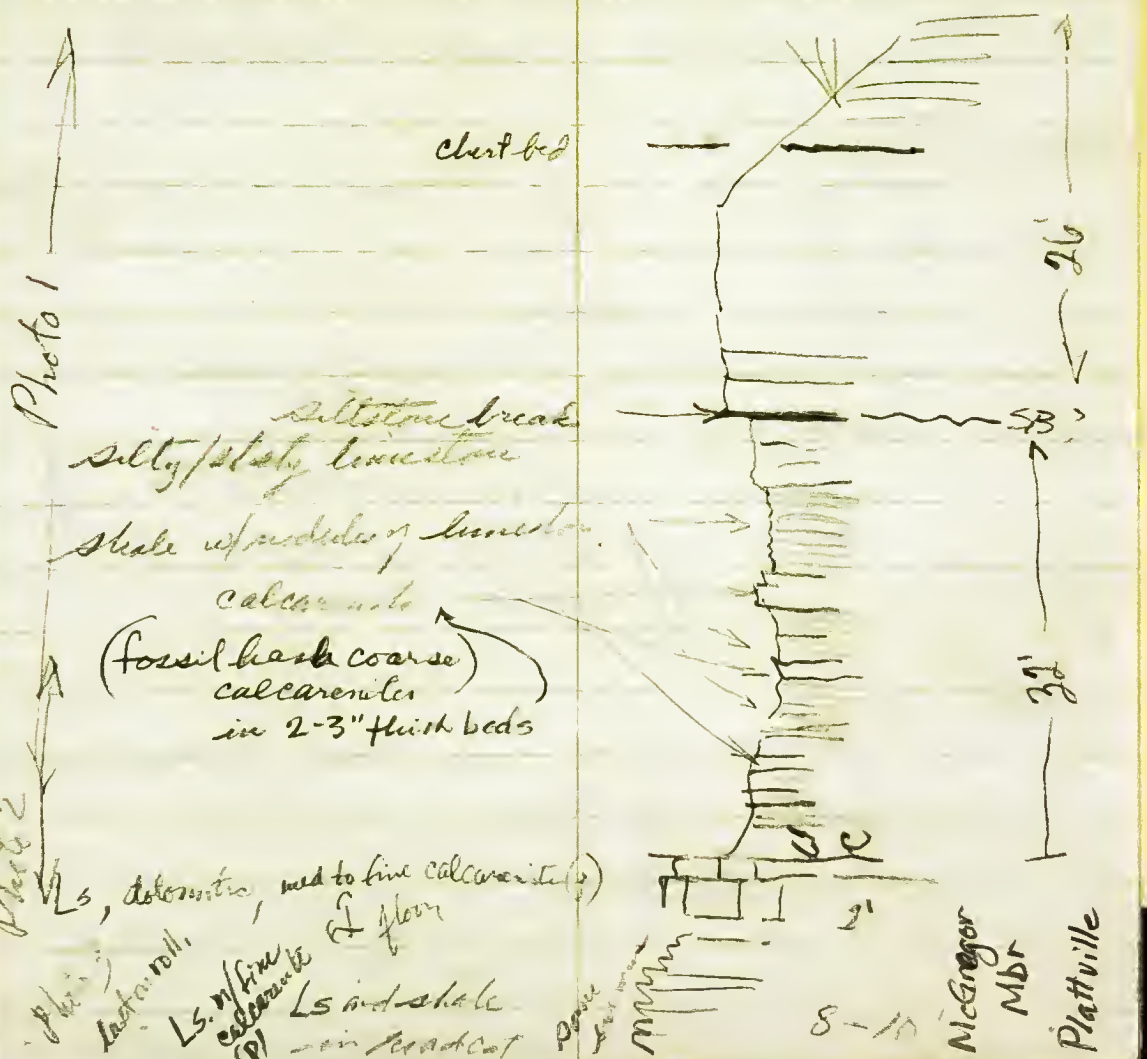


6/27/78 – Decorah outcrop on IA 9 in southern side of Decorah, IA.

(85)

Adjacent to road; x extends // to hwy; road into x parallels IA 9

Floor of x; photo 3 on hwy IA 9



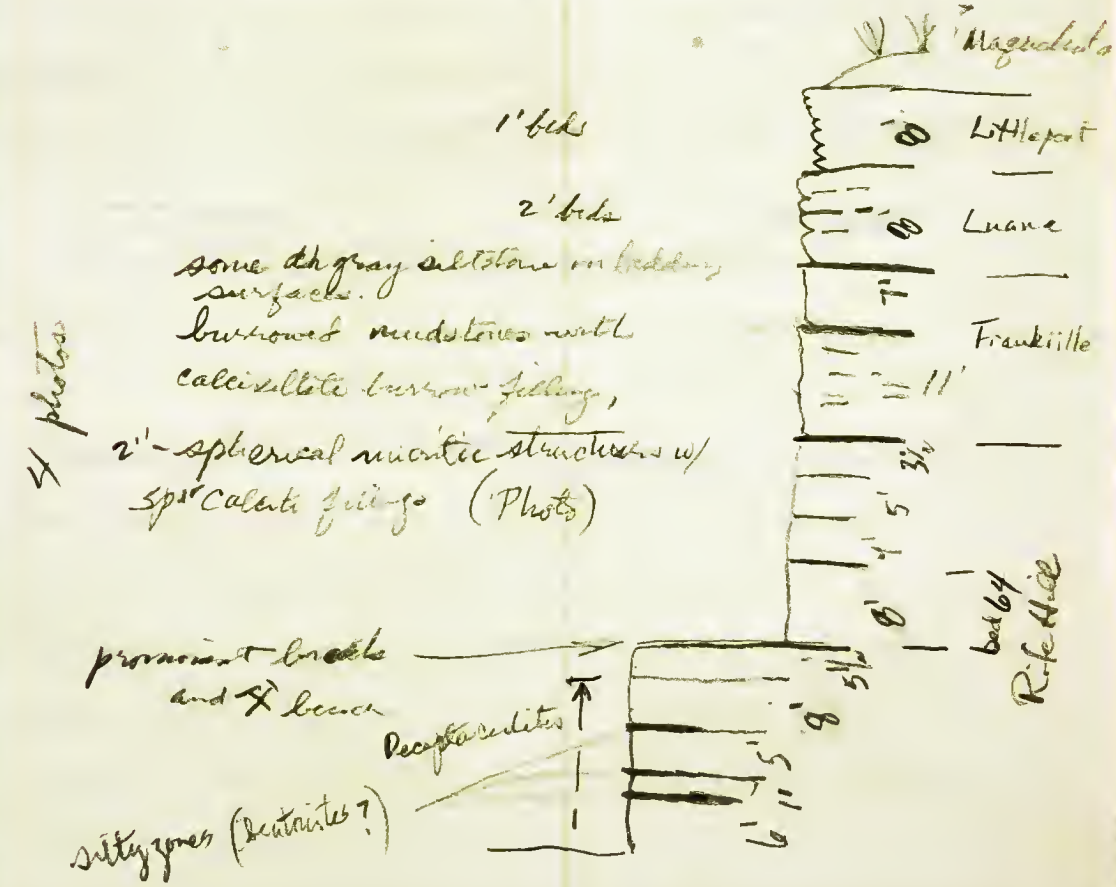
(W4B)

6/27/98 on IA9, 0.3 miles east of Frankville Rd junction about 7 mile southeast of Decorah
locality 9 of L, G, B (our 1995 loc. 13 red)
2 photos

---

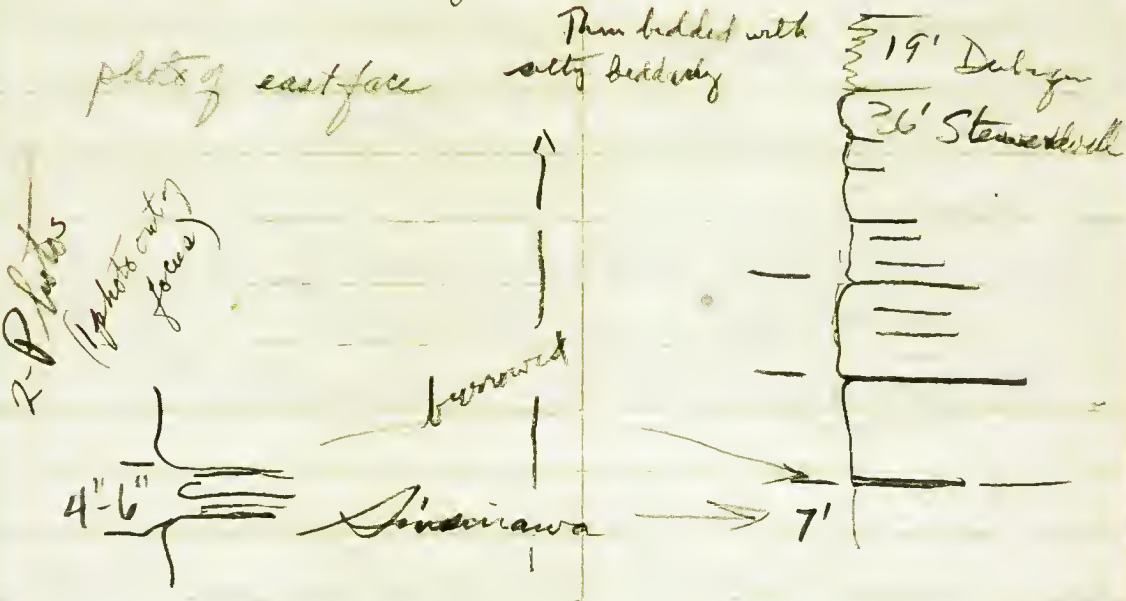
(12) Near Postville, Iowa

6/27/98 — A large quarry about 0.4 miles east of the junction of US 51 and W4B (east)
(Receptaculites, v. burrowed dolostone)



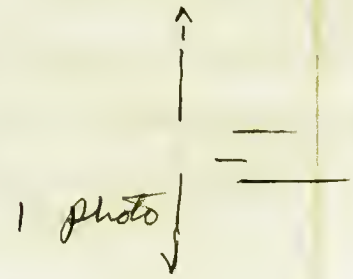
6/27/98. lunch at Ridgeway (Prairie Farmers Trail Park) Roadside park. Winneshiek Conservation Board, just south of Ridgeway Iowa

(10) Rivered Construction Co.
Kendallville Quarry



Loc. 17 of L., G & B. 1979. Formerly called Pavlovec X

6/27/98. Quarry about 3/4 mile east on Old Cattle Creek Road from junction with County W14 about 3½ mile SE of Kendallville, IA
(11) Quarry is very badly overgrown (in late June).



Mag 17'3"
Dubuque – 34'5"
Stewardville 16'11"

Loc. 33 of Levorsen, Gerk + Broadhead, 1979. SW¼, SE¼, Sec. 1, T99N, R-10W
Thicknesses in sketch acc. to L. G+B.

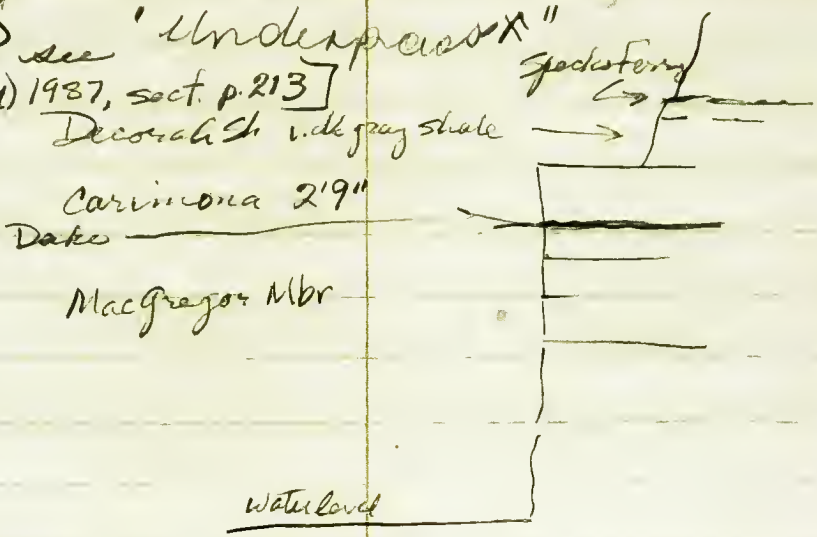
(Met farmer in pickup truck twice who directed re the roads;

Sunday 6/28/98.

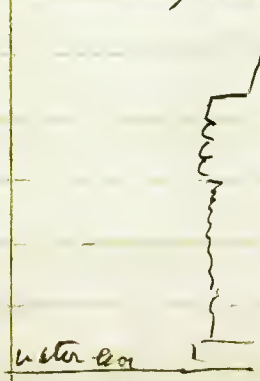
1. 2 Photos Decorah city "portals." US 52 north. Falls at bridge.

---

2. Rowend x. Red (9A) 1995 Minnesota
Spring Grove x South side of road
(2 photos) see "Underpass x"
[Sloan, (Ed) 1987, sect. p. 213]



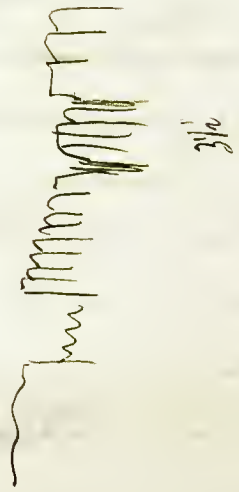
(9C) x Northside of road — in shade, more weathered
1 photo



Sunday, June 28, 1998.
Patterson "X", Fountain, Minn
Red (5A) locality of 1995 field book

3 Photos in "X", one shade, 2 in sunny faces

1995 (3B) locality - west of Preston on MN 30, west of bridge over Middle Branch.



dk gray loam

Sunday. 6/28/98.

Fillmore county (3A) locality – 1 photo of west sided road 7; becoming overgrown

2 photos of ×

(Note: locality 3A is ~~@~~ 3/8 - 1/2 miles along Fillmore Co. Rd 7 from intersection with MN 30

Red locality (8) of 1995 field book

East side of road cut on hillside

4 photos

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(87) New locality on MN 30 MN 30 ca 1/2 mile east of Chatfield. 1 Photo.

? Lower part of Galena?

End of roll.

This is second cut at top of hill.

Plattville is exposed lower to west, then some St Peter Ss.

~~St Peter Ss. Lower unit~~

Sunday 6/28/98

(88) X N. edge of Chatfield; east side of US 52. St. Peter Ss, overlain by Glenwood & then lower Plattsville
1 photo

Plattsville / Glen. : brown shale 2-12'
St Peter { bedded Ss 12'
massive Ss 50'+

Sogn. Rd cut. locality (2) in 1995 field notes ~~5~~ 6 photos 6/28/98

(89) 2 photos of old X uphill east of intersection. Sogn "road cut" on Goodhue 9.

Then
US 63 to Co 30 at Stewartville
go E on Co 30 ~~for~~ 5 miles
Pick up county road 16 ~~heading~~ almost to Elmstead!S
from Pleasant Grove
(N-S rd to Spring Valley

Fillmore
Co 4 east
then
Co Fillmore 38

5 mi

3 miles at intersec +

Take left south

6/28/98

Location (4) Masonic Park 7 pictures

S. road across bridge has good section on W side
a number of good locati
Co 1 & Fillmore 38
Spring Valley

Easiest way to this place is to go north from Spring Valley and Fillmore County 1 to the intersection with Fillmore County 38, (about 2 miles) and turn east on 38. It is not far, but in a couple of more miles goes down into the river gorge to Masonic Park.

Striking bluffs standing upon landscape as we tried to locate Masonic Park.

(90) 6/29/98. Took US 52 north from Decorah. then a west dirt road (Bluffton Rd.)

1. East side of Upper Iowa R on Bluffton shortcut (dirt road) ¼ mile east of Bluffton. — 1 photo

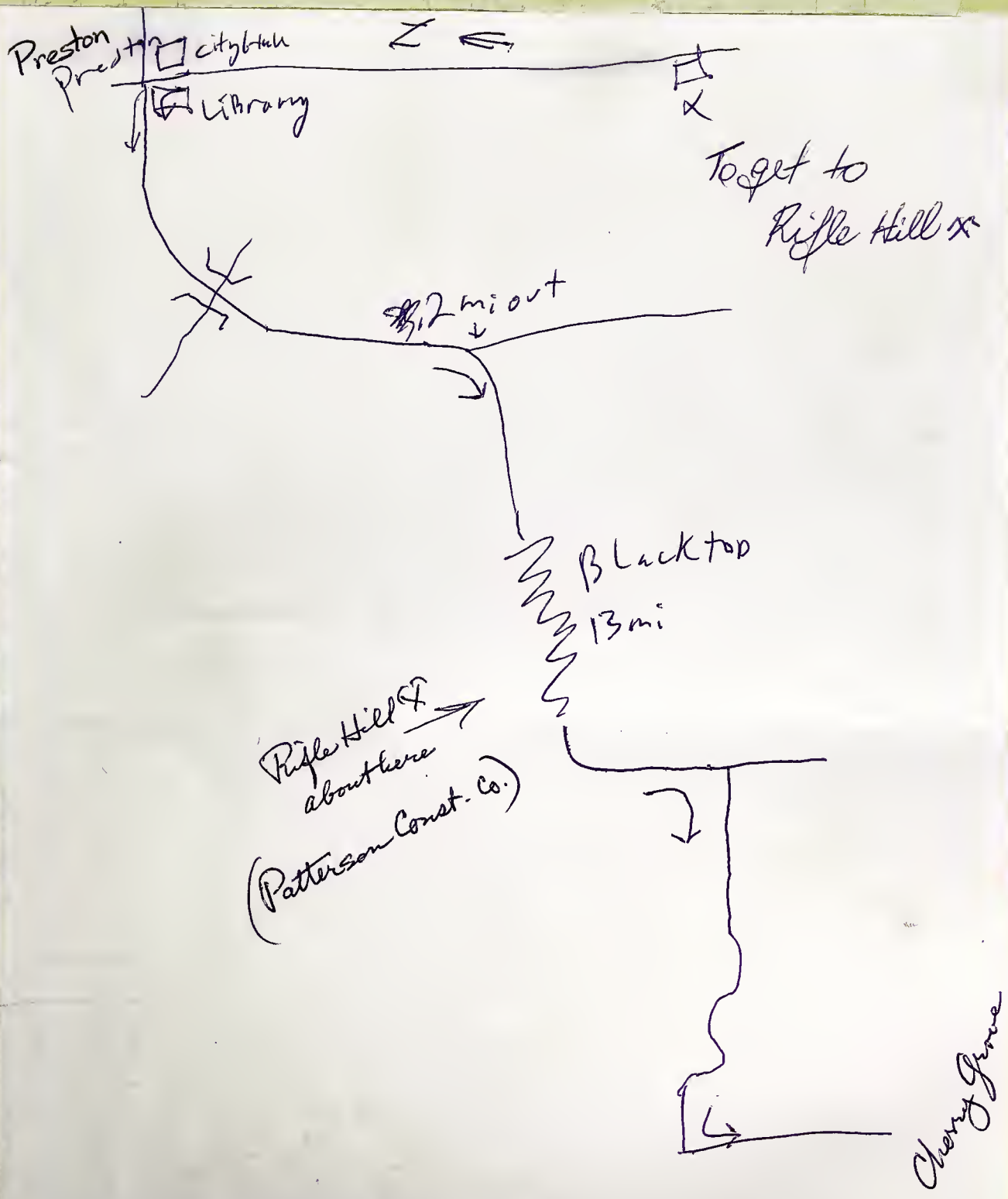
Bridge to Bluffton closed due to high water

There are good exposures on road down to river

(91) Iowa, ca 14 miles North of Decorah

2. X on west side of US 52 at Burr Oak Rd. NW cnr US 52.

See Sloan edit. (1987) p. 211 stratsection of Dubuque Fm. We think we are looking at Littleport, Guttenberg, Frankville beds & prob. top of Stewartville Fm. (Top down listing of units.)


Preston
Preston
city hall
Library
To get to
Rifle Hill
1.2 mi out
Blacktop
13 mi
Rifle Hill
about here
(Patterson Const. Co.)
Cherry Grove

6/29/98 Rifle Hill ✕. Patterson Co. Construct Co.
Red locality (6) in 1995 field note book. We drove from Decorah on US 52, turned off at Harmony MN. taking CO 139 & MN 44 (dirt road) (under repair) However, after several miles MN 44 was closed & we had to take MN 17 and twisted around on roads until an automotive repair works (out among the farms) made a diagram for us to get to Cherry Grove (via Preston) As we approached (stop some miles out) Cherry Grove we came down a long hill with good rock exposures & at bottom of hill across creek we arrived at Rifle Hill ✕

Nothing at top of ✕ in small area that has a separate bottom entry.
4 photos. 3 in main ✕ & 1 in top of ✕

From loose blocks Notes: 1) lots of fine-scale soft sedt deformation in calc mudstones
2) lot of chert w. structures in chert & these suggest that silicification preceded final compaction of mudstone

6/29/95.

(6A) Still of Rifle Hill ✕

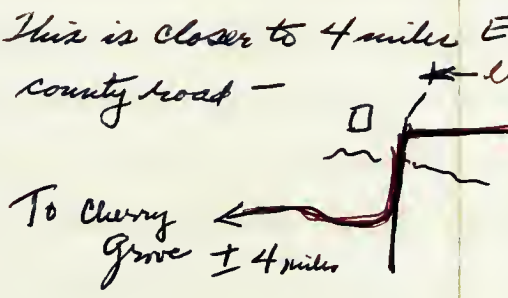
photo of Elgin Fm on S. side of road at top of ✕ hill (headed W).

→ 2.5 miles to intersection of CO 14 + CO 5

5 { 1 mile west on MN 14, an otc. of Elgin shabby late + calc. silts.

(92) Warren & Kim Wubbels

6/29/95. Wubbels Hill – a property + farmer's name is Wubbels



List of Stops/Localities/Sections

These are red numbers

(1) Ramp beneath Conference Road on Vietnam Veterans Parkway.

June 7 we left Nashville & joined I-40 east to pick up TN53, then on to TN85. Finally found Gladdice section which is in Jackson Co & just E. of Gladdice

Continued on TN 85 & then took TN 53 to BB
lunch in shade at BB

Then on to Celina on TN53.

Need to get by Interlibrary loan

Creasman, E. R., & Kaskins, O. L. 1970. Lithology & fauna of the Lexington Mbr. (Ordovician) of central Ky., in Guidebook for field trips — Geol. Soc America, Southeastern Sect., 18th Ann. Mtg., Lexington, Ky., 1970. Ky. Geol. Survey, p. 17-28.

Creasman, E. R. and Noger, M. C., 1976. Tidal-flat carbonate environment in the High Bridge Gp (M. Ord.) of central Ky. Ky. Geol. Surv., Series 10, Rept. of Investigations 18, 15p.

RULES OF PUNCTUATION*

Use Of The Period

The period (.) is used after a declarative or an imperative sentence, after courteous requests, and after abbreviations and initials.

The order was shipped yesterday. (declarative)

Ship the order immediately. (imperative)

Will you send me a copy of your latest bulletin.

Dr. Mrs. A.M.

Use Of The Comma

The comma (,) is used after an adverbial dependent clause when the dependent clause precedes the main clause. When the dependent clause does not begin the sentence, the comma is usually unnecessary.

After the director had read the minutes of the meeting, he called for the financial report.

The director called for the financial report after he had read the minutes of the meeting.

The comma is also used after a participial phrase or an absolute phrase at the beginning of a sentence, after an introductory infinitive phrase, and to set off parenthetical expressions, whether words, phrases, or clauses.

Use Of The Semicolon

The semicolon (;) is used to show a stronger separation between the parts of a sentence than does a comma. In most writing, however, the use of the semicolon should be avoided because it is generally too stiff and formal. If you use a great many semicolons, the chances are that you are either using them incorrectly, or you are writing sentences that are too long. Semicolons produce rather involved sentence patterns. Use them sparingly.

1. The semicolon is used to separate independent co-ordinate clauses closely connected in meaning when no co-ordinate conjunction is used.

The sales staff meets every other Tuesday; the production staff meets only once a month.

Use Of The Colon

The colon (:) indicates the strongest possible break within a sentence.

1. The colon is used before a list of items or details, before an appositive phrase or clause, and after the salutation of a business letter.

Please send out the following items: No. 873, No. 318, and No. 570.

Our company has always had this policy: The customer is always right.

Dear Mr. Roe: Gentlemen:

Use Of Parentheses

Parentheses ( ) are used to set off words, phrases, clauses, or sentences which are used by way of explanation, translation, or comment. Also use to enclose a number, letter, or symbol when used as an appositive.

His appointment (which will be announced next week) will be a surprise to many.

She ordered twelve (12) night stands for the hotel.

Use Of The Dash

The dash (—) is used to indicate an abrupt change of ideas, but should be used sparingly. The dash may also be used to indicate a summarizing thought or an afterthought added to the end of the sentence, and to set off a word or phrase repeated for emphasis.

Use Of The Question Mark

The question mark (?) is used after all interrogative sentences that ask direct questions.

Use Of The Exclamation Mark

The exclamation mark (!) is used after all exclamatory sentences—sentences that express surprise, emotion, or deep feeling. Also use after interjections or after statements which are commands or which imply need for immediate action.

Your answer was hard to believe!

Hurry! Send your order now!

Quotations

1. Quotation marks (" ") are used to enclose a direct quotation. Each part of an interrupted quotation begins and ends with quotation marks.

The inspector said, "Well, your case is not hopeless."

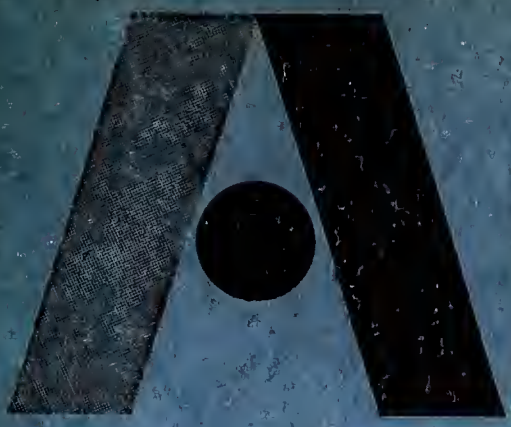
2. Quotation marks are used to enclose the titles of magazine articles, chapters of books, names of songs, titles of poems, and other titles. In typing or writing, underline the titles of books, magazines, operas, and any other works of art long enough to appear in book form. Underlining signifies italics for printing.

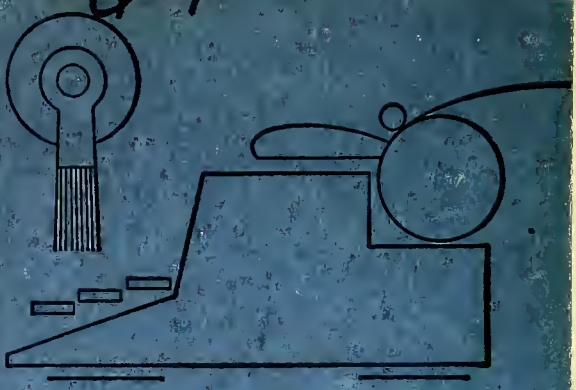
The New Yorker includes a section entitled "The Talk Of The Town."

*Reprinted from the *Instant Spelling Dictionary* published by Career Institute, 30 East Adams, Chicago, Ill. 60603

1998. Central States Field Trip.

May 29-





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